6th lesson – Autocad - dimensions

25ᵗʰ October, 2022

Layers

- CC_RED – conventional color red, represents construction that is to be destroyed
- CC_YELLOW – conventional color yellow, represents construction that is to be built

Commands:

- PURGE – eliminates elements that are not in use, tick "orphaned data" and nested items, confirm purgery for each object or purge ticked items all at once
- OVERKILL gets rid of overlays, type "all", than enter
- FILTER – choose a filter (i.e. HATCH)
- DIMSTYLE -set dimension styles
- DIMLIN – creates a single dimension line
- DIMCONT – continues an existing dimension line
- SELECT – re-access and adjust existing dimensions

Creating dimension style for scale 1/20:

- Start with STANDARD, then click on "New"
- Name the dimension style "1_20" and choose "Start with: STANDARD"
- Lines: choose "By layer" everywhere, set Baseline spacing to 0, set Extend beyond dim lines and Offset from origin to 0.25, tick Fixed length extension lines and set it to 0.025
- Symbols/arrows: select Dot small for the first 3 options, set Arrow size , Mark and Jog height factor to 0.05, set Break size to 0.1
- Text: for Text style choose 1_20, for Text color choose CYAN, for Fill color choose None, set Offset from dimline to 0.02, tick Aligned with dimension lines, NOT horizontal or ISO standard
- Fit: tick Always keep text between extension lines, for Text placement choose Over dimension line, without header
- Primary units: set Precision to 0.00 (accuracy to centimeters is sufficient for scale 1_20)

- To create a dimension style for scale 1_100 choose Start with 1_20 and multiply every number by 5
- To create a dimension style for scale 1_5 choose Start with 1_20 and divide every number by 4